

Certified Validation Report

Part A: Provided by Validator

Audit Information:

Water Supplier Name: City of Manteca

PWS ID: 3910005

System Type: Potable

Audit Period: Calendar Year 2017

Utility Representation: George Montross

Validation Date: 9/25/2018

Call Time: 1PM

Sufficient Supporting Documents Provided: Yes

Validation Findings & Confirmation Statement:

Key Audit Metrics:

Data Validity Score: 61

ILL: 1.33

Real Loss: 129.268

Apparent Loss: 50.201

Non-revenue water as percent of cost of operating system: 1.0%

Certification Statement by Validator:

This water loss audit report has been Level 1 validated per the requirements of California Code of Regulations Title 23, Division 2, Chapter 7 and the California Water Code Section 10608.34.

All recommendations on volume derivation and Data Validity Grades were incorporated into the water audit. ☒

If not, rejected recommendations are included here.

Validator Information:

Water Audit Validator: Chris Hewes

Qualifications: Water Audit Validator Certificate issued by the CA-NV Section of the AWWA

Validator Provided

Certified Validation Report Template

Part B: Provided by Utility

Water Supplier Name: City of Manteca

Water Supplier ID Number: 3910005

Water Audit Period: Calendar Year 2017

Water Audit & Water Loss Improvement Steps:

Utility to provide steps taken in preceding year to increase data validity, reduce real loss and apparent loss as informed by the annual validated water audit:

- The City of Manteca increased bench / field testing of residential water meters.
- The City of Manteca purchased a listening device to assist in locating water leaks.
- The City of Manteca increased tracking of unbilled unmetered water use.
- The City of Manteca began annual calibration of 25% production mag meters annual. We plan to increase that percentage next year.

Certification Statement by Utility Executive:

This water loss audit report meets the requirements of California Code of Regulations Title 23, Division 2, Chapter 7 and the California Water Code Section 10608.34 and has been prepared in accordance with the method adopted by the American Water Works Association, as contained in their manual, *Water Audit and Loss Control Programs, Manual M36, Fourth Edition* and in the Free Water Audit Software version 5.

Executive Name (Print)

Executive Position

Signature

Date

George Montross

Deputy Director of Public Works



9/27/18

Utility Provided